

NSTX FY2005 Run Schedule
 Last Updated: 9/11/2005 at 3:47 PM

1	11-Apr	12-Apr	13-Apr	14-Apr	15-Apr
	SHERWOOD and RF Conferences			XMP 20 - Ctrl Sys Comm. Mueller, D	MPTS Calibration Rayleigh Scattering Leblanc, B
ISTP	ISTP	ISTP	Make Plasma Beams into Plasma		
		Debug Magnetics	XMP 3 - Magnetics Calib Menard, J		
Hours	0	0	4	8	0
2	18-Apr	19-Apr	20-Apr	21-Apr	22-Apr
	Bakeout + Beam conditioning + Hot Boronization			Cool down	Maintenance / Test cell access
		Cool down	Maintenance		
		J. Boedo arrives			
Hours	0	0	0	0	0
3	25-Apr	26-Apr	27-Apr	28-Apr	29-Apr
	XMP 38 - Assess hot B-zation Kugel, H	Start XP 508 DND long-pulse w/ PF1A Gates, D	XP 516 Supersonic Gas Inj Soukhanovskii, V	XMP 33 Gas filled torus - MSE Levinton, F	XMP 33 Gas filled torus - MSE Levinton, F
	XMP 24 + Beams into plasma Commission rtEFIT w/ PF1A Gates / Mueller				XP 516 Supersonic Gas Inj
	XMP-36 SGI Piggyback (Vlad)	Neon Glow for CHERS			
Hours	8	10	8	10	8
4	2-May	3-May	4-May	5-May	6-May
	RWM coil ISTP Neumeyer, C	PCS->SPA + XMP 24/32 rtEFIT commissioning Mueller / Gates	XP 506 Ohmic H-mode Bush, C	XMP 37 - RWM coils/sensors Sontag, A	XP 523 SOL Meas - Boedo
		Start XP 515 Lithium Pellet Inj - Kugel		XP 507 Early Div and H-mode Menard, J	XMP 3 - Mag cal - Menard
	XP 523 SOL Meas - Boedo		XP 508 - DND long-pulse Gates, D		
				Menard gone	
Hours	8	10	8	10	8

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5	9-May	10-May	11-May	12-May	13-May
	XP 508 - DND long-pulse Gates, D PFC meeting	24kA PF1A ISTP XP 507 - LSN long pulse Menard, J J. Boedo departs , PFC mtg	XP502 - High beta w/ PF1A Gates, D PFC meeting	SPA test shots XP 522 Transport w/ Rev Shear Levinton, F	XP 507 XP 508 Reimerdes departs
Hours	8	10	10	8	8
6	16-May	17-May	18-May	19-May	20-May
	XP 504 - Fast-ion loss NPA Medley, S XMP 37 SPA/RWM	XP 522 Transport w/ Rev Shear Levinton, F	SPA tests XP508 + 507 ISD Long-pulse Gates/Menard XP 515 - Lithium Pellet Inj	Mini Boronization SPA tests XP502 - High beta w/ PF1A Gates, D	XP/XMP - Transient CHI Raman, R XP 522 Transport w/ Rev Shear
Hours	8	10	8	10	8
7	23-May	24-May	25-May	26-May	27-May
	Maintenance week for high-k scattering preparation activities in NTC + SPA DCCT and grounding modifications				
Hours	0	0	0	0	0
8	30-May	31-May	1-Jun	2-Jun	3-Jun
	Lab Holiday Memorial Day Mueller gone	SPA test shots RWM XMP 37 ISTP - RWM current @ 2kA CHI XMP 39- ECPI + Cap Bank Raman, R Mueller, B. Davis gone	RWM ISTP/XMP as needed XP 503 Locked Modes / EF Menard, J Mueller gone	XP 528 High betap / rotation Sabbagh, S	XP 520 Divertor regimes w/ NBI Soukhanovskii, V LLNL →
Hours	8	10	8	10	8

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9	6-Jun	7-Jun	8-Jun	9-Jun	10-Jun
	XP 503 - Locked modes Menard, J XP 501 - RWM Spectroscopy Sabbagh, S <i>Raman gone</i>	XP 501 - RWM Spectroscopy Sabbagh, S	XP 501 - RWM Spectroscopy Sabbagh, S XP524 - Rotation Control	ISTP - Long Pulse XP506 - Ohmic H-mode Bush, C <i>R Bell, Vlad, Brent gone</i>	XP531 - Transient CHI Raman, Nelson → Weekend Boronization <i>R Bell, Vlad, Brent gone</i>
Hours	8	10	8	8	8
10	13-Jun	14-Jun	15-Jun	16-Jun	17-Jun
	XP502 - High beta w/ PF1A Gates, D XP 507 - long-pulse LSN FESAC REVIEW	XP 507 - long-pulse LSN Menard, J XP506 - Ohmic H-mode Bush, C FESAC REVIEW	HHFW Conditioning Wilson, R <i>MSE, NPA piggyback</i> NSTX @ FESAC REVIEW	HHFW Conditioning Wilson, R XP 521 - Ip ramp with HHFW	XP 521 - Ip ramp with HHFW Kessel, C
Hours	10	8	8	10	8
11	20-Jun	21-Jun	22-Jun	23-Jun	24-Jun
	rtEFIT XMP for long-pulse Gates, Mueller Finish XP 520 Divertor Detachment Soukhanovskii, V <i>Kaita, Kessel gone</i>	XP 527 HHFW Coupling Bernabei, S <i>Kaita, Kessel, Raman gone</i>	XMP 33 Gas filled torus - MSE Levinton, F <i>CHI ECPI Piggyback</i>	XMP 33 for MSE XP524 - Rotation Control Zhu, W <i>Kaita gone</i>	XP531 - Transient CHI Raman, Nelson → <i>Kaita gone</i>
Hours	8	10	8	10	8
12	27-Jun	28-Jun	29-Jun	30-Jun	1-Jul
	Maintenance week EPS Meeting - Tarragona, Spain				
Hours	0	0	0	0	0

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13	4-Jul	5-Jul	6-Jul	7-Jul	8-Jul
	<p align="center">Lab Holiday Independence Day</p> <p><i>Hopefully everybody gone</i></p>	<p align="center">Technical Difficulties</p> <p><i>Raman, Menard gone</i></p>	<p align="center">rtEFIT XMP 24 for long-pulse <i>Gates, Mueller</i></p> <p align="center">XP 508 - DND long-pulse <i>Gates, D</i></p> <p><i>Raman, Menard gone</i></p>	<p align="center">XP 517 TAE vs. q and q' <i>Fredrickson, E</i></p> <p><i>Menard gone</i></p>	<p align="center">XP524 - Rotation Control <i>Zhu, W</i></p>
Hours	0	10	8	10	8
14	11-Jul	12-Jul	13-Jul	14-Jul	15-Jul
	<p align="center">FINISH XP 522 Transport w/ Rev Shear <i>Levinton, F</i></p> <p><i>Gates, Mastrovito, Davis gone</i></p>	<p align="center">XP 515 - Lithium Pellet Inj <i>Kugel, H / NIFS →</i></p> <p><i>Gates, Mastrovito, Davis gone</i></p>	<p align="center">XP 525 ELM mitigation with EF coil <i>Kaye / Evans →</i></p> <p><i>Gates, Mastrovito, Davis gone</i></p>	<p align="center">XP 515 - Lithium Pellet Inj <i>Kugel, H / NIFS →</i></p> <p><i>Gates, Mastrovito, Davis gone</i></p>	<p align="center">XP 525 ELM mitigation with EF coil <i>Kaye / Evans →</i></p> <p><i>Gates, Mastrovito, Davis gone</i></p>
Hours	8	10	8	10	8
15	18-Jul	19-Jul	20-Jul	21-Jul	22-Jul
	<p align="center">XP 503 - Locked modes <i>Menard, J</i></p> <p><i>Mastrovito, Maingi gone</i></p>	<p align="center">XP 503 - Locked modes <i>Menard, J</i></p> <p align="center">XMP - EFC commissioning</p> <p align="center">XMP 30 - HHFW PI at 1MW <i>Menard, Wilson</i></p> <p><i>Mastrovito, Maingi, Sabbagh gone</i></p>	<p align="center">XP 527 HHFW Coupling <i>Bernabei, S</i></p> <p align="center">Finish XP506 - OH H-mode <i>Bush, C</i></p> <p><i>Mastrovito, Maingi gone</i></p>	<p align="center">Morning Boronization</p> <p align="center">XP 512 - NSTX / DIII-D RWM Similarity <i>Sontag, A</i></p> <p><i>Mastrovito, Maingi gone</i></p>	<p align="center">MHD XP 512, 524, or 501 <i>Sontag, Zhu, Sabbagh</i></p> <p align="center">XMP 40 - Ar injection <i>Bitter, M</i></p> <p align="center">Weekend Boronization</p> <p><i>Mastrovito, Maingi gone</i></p>
	Hours	8	10	8	10
16	25-Jul	26-Jul	27-Jul	28-Jul	29-Jul
	<p align="center">XP502 - High beta w/ PF1A <i>Gates, D</i></p> <p align="center">XP508 - DND long-pulse</p> <p align="center">XMP 40 - Ar injection <i>Bitter, M</i></p>	<p align="center">XMP 40 - Ar inj "recovery"</p> <p align="center">XP502 - High beta w/ PF1A</p> <p align="center">XP508 - DND long-pulse</p> <p align="center">XP 507 + 509 - long-pulse LSN <i>Assess EFC - Menard, Kessel</i></p>	<p align="center">XP530 - Profiles for pedestal characterization + ELM stab <i>Maingi, R</i></p>	<p align="center">XP 509 - long-pulse vs. κ <i>Kessel, C</i></p> <p align="center">XP533 - CHI into Ohmic</p> <p align="center">XP508 - DND long-pulse</p> <p><i>Maqueda gone</i></p>	<p align="center">XP531 - Transient CHI <i>Raman, Nelson, Jarboe →</i></p> <p><i>Maqueda gone</i></p>
	Hours	8	10	8	8

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17	1-Aug	2-Aug	3-Aug	4-Aug	5-Aug
	VACATION				
Hours	0	0	0	0	0
18	8-Aug	9-Aug	10-Aug	11-Aug	12-Aug
	XP 513 MAST-NSTX ITB Peng, M Takase arrives, Maingi gone	XP 510 - PF only startup Menard, Takase (requires HHFW) XP 507 - long-pulse LSN Finish EFC assess - Menard Maingi gone	Finish XP 521 - HHFW heating and Ip ramp-up at low Ip Kessel, C (requires HHFW)	MHD XPs 524, 512 Zhu, Sontag	XP533 - CHI into Ohmic Mueller, D XP 511 - DN Merging Takase, Y → (requires HHFW)
Hours	8	10	8	10	8
19	15-Aug	16-Aug	17-Aug	18-Aug	19-Aug
	XP529 - Pedestal vs. A Kirk → / Maingi Mueller gone, Boedo arrives	XP 505 - LH threshold vs. magnetic balance w/ NBI Meyer → / Maingi MAST similarity (requires rEFIT) Kaye, Mueller gone	XP 505 - LH thr w/ RF Biewer → / Maingi (requires HHFW) XP534 - Perturbative Te with Pellet Injection - Stutman	XP 526 - ELM vs. shape Kaye, S	XP533 - CHI into Ohmic Mueller, D XP 511 - DN Merging Takase, Y → (requires HHFW) Boedo, Takase depart
Hours	8	10	8	10	8
20	22-Aug	23-Aug	24-Aug	25-Aug	26-Aug
	Technical Difficulties XP 539 - Type I ELM prop Tritz, K Kaye gone	XP537 - HHFW CD w/ MSE Wilson, R XP 538 - HHFW into RS LeBlanc, Wilson (requires HHFW) Kaye gone	XP 514 O-mode EBW Meas Taylor, G XP 516 Supersonic Gas Injector Kaye gone	XP531 - Transient CHI Raman, Nagata, Nelson → Kaye gone	XP531 - Transient CHI Raman, Nagata, Nelson → Kaye gone
Hours	8	10	8	10	8

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21	29-Aug	30-Aug	31-Aug	1-Sep	2-Sep
	MAINTENANCE & VACATION				
				FULL BORONIZATION	
	NTC in FREE ACCESS	NTC in FREE ACCESS	NTC in FREE ACCESS	NTC LOCKED	NTC LOCKED
Hours	0	0	0	0	0

22	5-Sep	6-Sep	7-Sep	8-Sep	9-Sep
	Lab Holiday Labor Day NTC LOCKED	MGP XMP (Kugel)	Water leak in OH lead End of normal plasma ops	XMP 33 - MSE Calib Gas filled torus at 5kG	XP 531 - Transient CHI Raman
		5kG TF ISTP (Neumeyer)		5.5kG TF ISTP (Neumeyer)	
		XP 508 - DND long-pulse W_{TOT}, τ_E vs TF and I_P		XMP 33 - MSE Calib Gas filled torus at 5.5kG	
		RWM software testing Kaye gone aft			
Hours	0	10	8	8	8

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